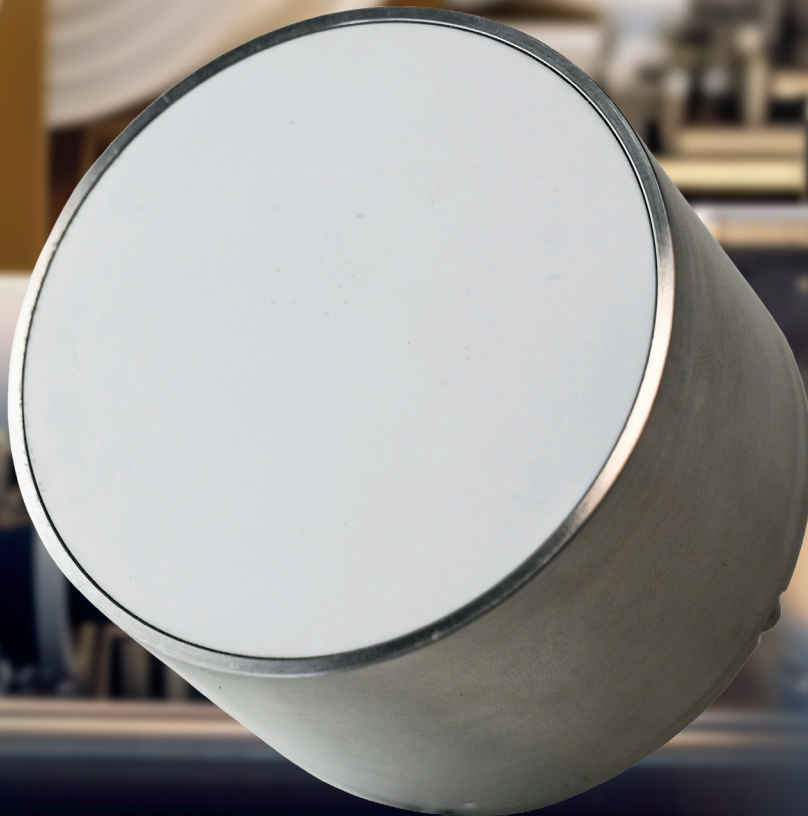


Reliable coating thickness and area weight measurement

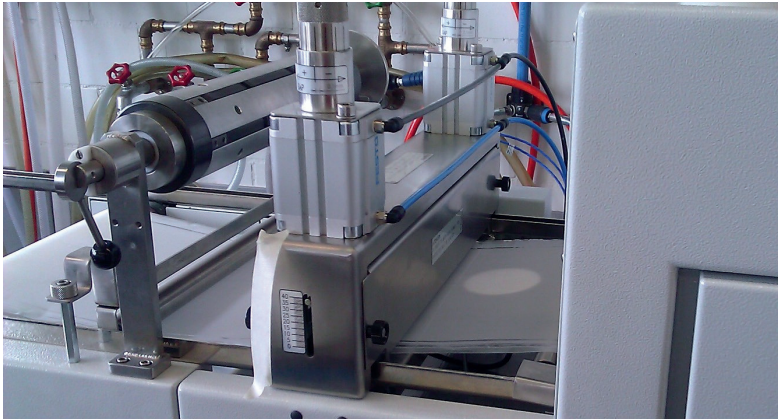
Litronic-FMS 3K / P78-HR

LIEBHERR

Liebherr-Mischtechnik GmbH



Applications



Litronic-FMS 3K / P78-HR sensor integrated in foil coating plant (Lamination)

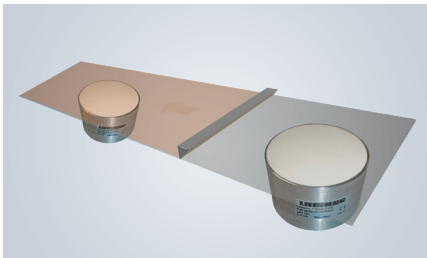
Reliable online coating thickness or weight per unit area determination and correction of measured values are crucial for ensuring the quality and improvement of the final products. The measurements are collected in the signal averager of the sensor electronics and transferred to the control unit.

Our Liebherr Litronic-FMS 3K/P78-HR (high resolution) is developed on the basis of our reliable moisture measurement system.

Field of applications are coatings of:

- Paper webs
- Cardboard webs
- Plastic film webs
- Felt webs
- Fabric webs

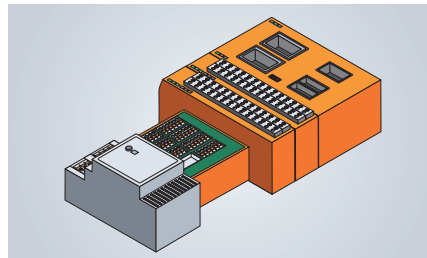
A wide range of interfaces mean the measurement can be directly integrated in production plants. Sensor installations for example before and after coating knife for an exact determination of coating.



Planar sensor P78-HR

Features:

- Capacitive measuring method
- Contactless measuring possible
- Diameter 78 mm
- Temperature compensation
- Digital measured value transfer and recording
- Up to 4 sensors per interchange and evaluation unit
- High quality stainless steel housing
- Area weight measurement up to 0.5 g/m² (depending on material)
- Coating thickness up to 0.5 µm (depending on material)



Litronic-FMS 3K Interchange and evaluation unit

for recording, processing and preparing the measured values from the sensors:

- Parameterization and calibration (Litronic-FMS 3K Software)
- Adjustable measurement range
- Ethernet connectivity
- Graphic visualisation
- Mounting on standard mounting-rail TS35 for easy switch cabinet mounting



Litronic-FMS 3K Software

- Visualization
- Chart recording
- Parameterization
- Calibration
- Cross-linking of sensor data
- Delay function between sensors
- Statistic data
- Data logging

